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Journal of Power Sources 139 (2005) 394–396



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### Call for papers

## 3rd International Conference on Materials for Advanced Technologies (ICMAT) and 9th IUMRS-International Conference on Advanced Materials (ICAM)

July 3–8, 2005, Singapore

(Deadline for abstract submission: 31 January 2005)

Symposium P: Materials for Rechargeable Batteries,  
Hydrogen Storage and Fuel Cells

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**Chair:** Ping Chen

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**Co-Chairs:** B.V.R. Chowdari, NUS, Singapore

G.V. Subba Rao, NUS, Singapore  
G.-A. Nazri, General Motors Research & Development Center, Detroit, USA  
E. Akiba, National Institute of Advanced Industrial Science and Technology, Ibaraki Japan

### Scope of the Symposium:

This symposium focuses on materials for clean and portable energy sources. Emphasis will be given on synthesis, characterization and performance of new and advanced materials in the following areas:

- Rechargeable batteries – electrodes and electrolytes for lithium-, lithium ion- and NiMH-batteries.
- Hydrogen storage and generation materials – metal alloys, complex chemical hydrides, metal nitrides and imides, carbonaceous materials, porous materials including metal oxide frameworks, and other novel solid-state materials.
- Fuel Cells – Proton Exchange Membrane Fuel cells, electrochemistry & catalysis, bipolar plates, fuel processing, system, stack and cell engineering.
- Other aspects related to the above mentioned clean energy sources.

### Keynote Speakers (Partial List)

Steven G. Chalk, US Department of Energy, USA

Ken-ichiro Ota, Yokohama National University, Yokohama, Japan

James Spearot, General Motors, USA

S.G. Nejat Veziroglu, University of Miami, Coral Gables, FL, USA

**Invited Speakers (Partial List):**

K.M. Abraham, E-KEM Sciences, Needham, MA, USA  
Doron Aurbarch, Bar-Ilan University, Ramat-Gan, Israel  
P. Balaya, Max-Planck-Institut fuer Festkoerperforschung, Stuttgart, Germany  
Rambabu Bobba, Southern University, Baton Rouge, USA  
Jun Chen, Nankai University, China  
Jaephil Cho, Kumoh National Institute of Technology, Gumi, Korea  
Claude Delmas, ICMCB, Pessac cedex, France  
Hironobu Fujii, Hiroshima University, Hiroshima, Japan  
Jacques Huot, Universite du Quebec a Trois-Rivieres, Canada  
Ryoji Kanno, Tokyo Institute of Technology, Yokohama, Japan  
Alain Levasseur, ICMCB, Pessac Cedex, France  
Weifang Luo, Sandia National Laboratories, USA  
Arumugam Manthiram, The University of Texas at Austin, Austin, USA  
P. Ravindran, University of Oslo, Norway  
Yasuo Takeda, Mie University, Tsu, Japan  
Masahiro Tatsumisago, Osaka Prefecture University, Sakai, Japan  
Linda F. Nazar, University of Waterloo, Waterloo, Ontario, Canada.  
Maryom Nazri, Ohio State University, USA  
Shin-ichi Orimo, Tohoku University, Sendai, Japan  
Aline Rougier, University of Picardie, France  
S. G. Sankar, Advanced Materials Co. USA  
Victor Sobolev, INASMET, Donostia-San Sebastian, Spain  
Enrico Traversa, University of Rome “Tor Vergata”, Roma, Italy  
Masataka Wakihara, Tokyo Institute of Technology, Yokohama, Japan  
Guoxiu Wang, University of Wollongong, NSW, Australia  
James Wang, Sandia National Labs, Livermore, CA, USA  
Masayoshi Watanabe, Yokohama National University, Yokohama, Japan  
Gert Wolf, Inst. für Physikalische Chemie, TU Bergakademie Freiberg, Germany  
Jun-ichi Yamaki, Kyushu University, Fukuoka, Japan  
Li Zhou, Tianjin University, Tianjin, China

**Scientific Committee (Partial List)**

Leong Ming Gan, Institute of Materials Research and Engineering, Singapore  
Chan Siew Hwa, Nanyang Technological University, Singapore  
Jim Yang Lee, National University of Singapore, Singapore  
Jurgen Lindner, Varta Microbattery Pte. Ltd., Singapore  
Joachim Maier, Max-Planck-Institut fuer Festkoerperforschung, Stuttgart, Germany  
Tsutomu Minami, Osaka Prefecture University, Sakai, Japan  
Zempachi Ogumi, Kyoto University, Kyoto, Japan  
Victor Sobolev, INASMET, Donostia-San Sebastian, Spain  
David Rand, CSIRO Energy Technology, Clayton, Australia  
Mostafa A.H. Talukder, ONR International Field Office, Tokyo, Japan

James Wang, Sandia National Labs, Livermore, USA

Osamu Yamamoto, Mie University, Tsu, Japan

**Local Organizing Committee (Partial List)**

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M.V. Reddy, NUS

Guotao Wu, NUS

Zhitao Xiong, NUS

**Proceedings:**

All those papers which are acceptable, as judged by the normal peer review process of the journal, will be published as a special issue of the **Journal of Power Sources**, Elsevier.

**Sponsors:**

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**Correspondence:**

For all enquiries please contact Dr. Ping Chen at the address shown above. For procedures for abstract submission, please refer to [www.mrs.org.sg](http://www.mrs.org.sg).